

ABSTRACT

[0078] The present invention mainly relates to a method for reducing shrinkage during sintering low-temperature-cofired ceramics, the ceramics comprising a dielectric portion and a heterogeneous material portion, the 5 method comprising the steps of: (a) providing a monolithic structure, the monolithic structure comprising a dielectric body and a constraining layer; the dielectric body comprising at least one dielectric layer that comprises at least one active area; wherein said active area is disposed with at least one heterogeneous material pattern; the constraining layer positioned on the top 10 of the dielectric body comprising at least one window wherein the edge of the window in the vertical direction; (b) firing the monolithic structure; and (c) singulating the monolithic structure along a cutting line to provide the low-temperature-cofired ceramics, wherein the cutting line is disposed in the 15 area formed between the edge of the window and the edge of the active area.